
Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Tue Jun 12 13:56:20 EDT 2007

Validated By CRFValidator v 1.0.2

Application No: 10599734 Version No: 1.0

Input Set:

Output Set:

Started: 2007-06-12 13:21:59.698

Finished: 2007-06-12 13:22:00.144

Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 446 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 6

Actual SeqID Count: 6

SEQUENCE LISTING

```
<110> University of Manitoba
      Waruk, Jillian
      Berry, Jody
      Ball, T.
      Plummer, Francis A
<120> Identification of the precise amino acid sequence of the epitope
      recognized by the potent neutralizing human anti-HIV-1 \,
      monoclonal antibody IgGb12
<130> 82402-5803
<140> 10599734
<141> 2007-06-12
<150> US 60/560,601
<151> 2004-04-09
<160> 6
<170> PatentIn version 3.3
<210> 1
<211> 26
<212> PRT
<213> Human immunodeficiency virus
<400> 1
Leu Trp Val Thr Val Tyr Tyr Gly Val Pro Val Trp Lys Glu Ala Thr
                                   10
Thr Thr Leu Phe Cys Ala Ser Asp Ala Lys
           20
                               25
<210> 2
<211> 12
<212> PRT
<213> Human immunodeficiency virus
<400> 2
Gly Val Pro Val Trp Lys Glu Ala Thr Thr Leu
              5
                                  10
<210> 3
<211> 26
<212> PRT
<213> Human immunodeficiency virus
```

```
<222> (13)..(13)
<223> E or K or R
<220>
<221> VARIANT
<222> (14)..(14)
<223> E or D
<220>
<221> VARIANT
<222> (16)..(16)
<223> E or T or N or K or D or A
<220>
<221> VARIANT
<222> (17)..(17)
<223> T or P
<220>
<221> VARIANT
<222> (18)..(18)
<223> T or P or V
<400> 3
Leu Trp Val Thr Val Tyr Tyr Gly Val Pro Val Trp Xaa Xaa Ala Xaa
     5
                           10
                                                   15
Xaa Xaa Leu Phe Cys Ala Ser Asp Ala Lys
           20
                             25
<210> 4
<211> 12
<212> PRT
<213> Human immunodeficiency virus
<220>
<221> VARIANT
<222> (6)..(6)
<223> E or K or R
<220>
<221> VARIANT
<222> (7)..(7)
<223> E or D
<220>
<221> VARIANT
<222> (9)..(9)
<223> E or T or N or K or D or A
<220>
<221> VARIANT
```

<221> VARIANT

```
<223> T or P
<220>
<221> VARIANT
<222> (11)..(11)
<223> T or P or V
<400> 4
Gly Val Pro Val Trp Xaa Xaa Ala Xaa Xaa Leu
     5
                               10
<210> 5
<211> 26
<212> PRT
<213> Human immunodeficiency virus
<220>
<221> VARIANT
<222> (13)..(13)
<223> E or K or R
<220>
<221> VARIANT
<222> (14)..(14)
<223> E or D
<220>
<221> VARIANT
<222> (16)..(16)
<223> E or T or N or D
<220>
<221> VARIANT
<222> (17)..(17)
<223> T or P
<220>
<221> VARIANT
<222> (18)..(18)
<223> T or P
<400> 5
Leu Trp Val Thr Val Tyr Tyr Gly Val Pro Val Trp Xaa Xaa Ala Xaa
1 5
                         10
Xaa Xaa Leu Phe Cys Ala Ser Asp Ala Lys
         20
```

<222> (10)..(10)

<210> 6 <211> 12

```
<212> PRT
<213> Human immunodeficiency virus
<220>
<221> VARIANT
<222> (6)..(6)
<223> E or K or R
<220>
<221> VARIANT
<222> (7)..(7)
<223> E or D
<220>
<221> VARIANT
<222> (9)..(9)
<223> E or T or N or D
<220>
<221> VARIANT
<222> (10)..(10)
<223> T or P
<220>
<221> VARIANT
<222> (11)..(11)
<223> T or P
<400> 6
Gly Val Pro Val Trp Xaa Xaa Ala Xaa Xaa Leu
     5
                                10
```